

Chapter 3.4 Water Quality Based Limited Sources – Category 4B and 5E Waters

Waters formerly called 303(d) Part II waters are now categorized as either 4B or 5E. These are waters where modeling has determined that water quality-based discharge permit limits are necessary to maintain, or attain, water quality standards in the receiving stream and those discharge facilities are under schedules of compliance to upgrade or expand their treatment processes. In such cases, Virginia Pollutant Discharge Elimination System (VPDES) permit effluent limitations need to be more stringent than technology based requirements. TMDLs are not expected for 4B or 5E waters because attainment with water quality standards will be achieved through the VPDES permit issuance, re-issuance, or consent order processes.

Category 4B waters are those that are currently on schedule to meet standards. There are 125 Category 4B waters in the 2004 assessment. Category 5E waters are those where the compliance date will extend beyond the next assessment report release date (2006). A 5E water can occur, as one example, where a discharge facility cannot be modified and must be replaced. The construction schedule of such a facility might extend beyond 2006. There are 22 waters designated as 5E in the 2004 assessment.

In 2002 DEQ began making annual submittals to EPA requesting delisting of 4B (and 5E) waters that now meet water quality standards. EPA requires specific documentation for each water on the list. In 2003, EPA approved the delisting of 29 Category 4B waters. These 4B delistings are found in Chapter 3.4a.

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Potomac River & Shenandoah River Basins							
Middle River X-Trib	Ammonia	001	ACSA - Mt Sidney STP	5E	2002	9/30/2005	9/30/05 compliance schedule for Ammonia
Austin Run-UT	Ammonia	001	Aquia Wastewater Treatment Facility	4B	1998	11/30/2004	CSO with interim limits for CBOD5, TSS, Phosphorus, NH3-N. The facility is finalizing an upgrade to improve removal of nutrients. The CSO with the interim limits is expected to be cancelled by November 30, 2004.
Austin Run-UT	Dissolved Oxygen (CBOD, TP)	001	Aquia Wastewater Treatment Facility	4B	2002	11/30/2004	CSO with interim limits for CBOD5, TSS, Phosphorus, NH3-N. The facility is finalizing an upgrade to improve removal of nutrients. The CSO with the interim limits is expected to be cancelled by November 30, 2004.
Shenandoah River	Total Residual Chlorine	001	Berryville	4B	1998	9/30/2003	9/30/03 schedule of compliance for TRC - anticipate de-list - Fall 2004
North River	Total Residual Chlorine	001	Bridgewater WTP	4B	2004	3/19/2004	3/19/04 schedule of compliance for TRC - anticipate de-list - Fall 2004
Shenandoah River X-Trib	Ammonia	001	Chritendom College STP	5E	2002	1/10/2008	1/10/08 compliance schedule for ammonia
SF Shenandoah River	Ammonia	001	Coors Brewing Company - Shenandoah Brewery	5E	2004	2/12/2006	2/12/06 compliance schedule for ammonia
Williams Creek	Ammonia	001	Dahlgren District WWTP	4B	1998	12/31/2003	
Crooked Run X Trib	Ammonia	001	Forest Lake Estates STP	4B	2004	12/16/2002	12/16/02 compliance schedule for ammonia; missed sending in last de-list package, will de-list fall 2004
Opequon Creek	Ammonia	001	Frederick County Landfill	4B	2002	9/16/2003	9/16/03 compliance schedule for ammonia - anticipate de-list - Fall 2004
South Fork Catoctin Creek-UT	Copper	001	Hamilton, Town STP	4B	2002	11/29/2004	Based on permit compliance schedule.
Quail Run	Ammonia	001	Massanutten STP	5E	1998	5/15/2003	Under consent order to upgrade by 5/15/03, majority of plant complete by that date, have been meeting effluent limits since then, amended consent order calls for plant completion by 6/30/05
Quail Run	Cyanide, Di 2 Eth Hexel Phthalate	001	Massanutten STP	5E	2004	11/20/2004	11/20/04 compliance schedule for cyanide, di 2 eth hexel phthalate
Wancopin Creek	Copper	001	Middleburg WWTP	4B	2002	1/1/2006	Based on permit compliance schedule.
West Strait Creek	Ammonia	001	Monterey STP	5E	1998	11/30/2004	Consent Order with compliance by 11/30.04 with construction of new facility. DEQ will re-evaluate VPDES permit limits at that time.
N.F. Shenandoah River	TRC	001	North Fork Resort STP	4B	2002	4/8/2003	4/8/03 compliance schedule for TRC - anticipate de-list - Fall 2004
North River	Ammonia	001	North River WWTF	5E	2002	4/9/2005	4/9/05 compliance schedule for ammonia
Foltz Creek, U.T.	Ammonia	001	Page County High School	5E	2004	6/30/2006	6/30/06 compliance schedule for ammonia

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Roaches Run	Copper	001	Pentagon Reservation	4B	2002	2/25/2004	
Crooked Run X Trib2	BOD5, DO	001	Pioneer Trailer Park	4B	1998	4/24/2004	Facility off-line 4/24/04 - anticipate de-list - Fall 2004
North Fork Goose Creek-UT	Ammonia	001	Purcellville, Town of WWQMF	4B	1998		The Purcellville facility that was initially listed in Part II of the 1998 303(d) report due to the compliance schedule for meeting final ammonia effluent limits is now off-line. The Bashim Simms Wastewater Treatment Facility replaced the former Purcellville plant. Note that the VPDES permit number remains the same for the new treatment facility.
Pine Hill Creek, UT	Copper, Lead, Selenium, Silver, Zinc	001	Purkins Corner Wastewater Treatment Plant	4B	2004	1/24/2006	Permitting region is NVRO. Water quality monitoring and assessment is performed by PRO. Based on permit compliance schedule.
S.F. Shenandoah River	TRC	001	Shenandoah STP	4B	2002	8/27/2003	8/27/03 compliance schedule for TRC - anticipate de-list - Fall 2004
Dry Run	Ammonia	001	Skyline Resort	4B	1998	8/25/2001	8/25/01 compliance schedule for ammonia; missed de-listing - anticipate de-list - Fall 2004
North Fork Goose Creek	Dissolved Oxygen (BOD5)	001	Town of Round Hill WWTP	4B	2002	5/1/2003	CSO with interim limits for TKN, TSS, BOD5. Final compliance date of 5/1/2003.
North Fork Goose Creek	Total Kjeldahl Nitrogen	001	Town of Round Hill WWTP	4B	1998	5/1/2003	CSO with interim limits for TKN, TSS, BOD5. Final compliance date of 5/1/2003.
Backlick Run	Zinc	001	U.S. Army - Cameron Station	4B	2002	10/30/2004	Based on permit compliance schedule.
Dry Fork - UT	Ammonia	001	Valley View Mobile Home Park	5E	1998	8/1/2004	8/1/04 facility scheduled to go off-line
Falling Spring, U.T.	Chlorides	001	Verona WTP	4B	2002	3/4/2003	3/4/03 compliance schedule for chlorides; anticipate de-list - Fall 2004
South River X-Trib	Copper	001	Vesper View STP	4B	2002	6/23/2003	6/23/03 compliance schedule for copper - anticipate de-list - Fall 2004
Quantico Creek	Se (Outfall 005)	005	Virginia Power - Possum Point Power Station	4B	2002	9/13/2005	Based on permit compliance schedule.

James River Basin

Southern Branch Elizabeth River	Zinc	001	Amerada Hess Corp - Chesapeake Terminal	4B	2004	8/12/2006	
Cedar Creek, U.T.	Total Residual Chlorine	001	Bath County Trailer Park	5E	2004	10/1/2004	10/1/04 compliance schedule for total residual chlorine
Chesley Creek	Ammonia, DO, CBOD5	001	Blue Ridge School	4B	1998	6/30/2002	6/30/02 compliance schedule for ammonia, DO, CBOD5; missed de-listing package, anticipate de-list - Fall 2004
Whispering Creek, UT	Nickel, Silver, Copper & Zinc	001	Buckingham County Water System/Dillwyn STP	4B	2004	4/1/2006	

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Linkswiler Branch	Ammonia	001	Canaan Valley Estates STP	4B	2002	4/3/2004	4/3/04 compliance schedule for ammonia - anticipate de-list - Fall 2004
UT-Nansemond River	Copper	001	Ciba Specialty Chemicals Corp.	4B	2004	4/22/2007	
Moore's Creek X-Trib	Ammonia, Benzene, BOD5, Toluene, Total Xylenes	001	Circle K #5362	4B	2004	6/26/2004	6/26/04 compliance schedule for ammonia, BOD5, Benzene, Toluene, Total Xylenes - anticipate de-list - Fall 2004
James River	Copper	001	Cogentrix of Richmond	4B	2002	3/20/2005	The permit was issued on 3/20/2001 with a compliance schedule for copper due 3/20/2005.
Elizabeth River	Copper	001	Cogentrix Virginia Leasing Corp.	4B	2002	8/28/2003	DELIST 2004***, Cu met per DMRs 9/03, 10/03, 11/03
Tussocky Creek, UT	Ammonia	001	Evergreen Mobile Home Park	4B	2004	10/17/2005	
Fighting Creek	Zinc	001	Fighting Creek WWTF	4B	2004	9/19/2005	The permit was issued on 9/19/2001 with a 4-year compliance schedule for total recoverable zinc due 9/19/2005.
North Creek	cBOD5, Total Cd, Total Cu, Total Zn	001	Fork Union Military Academy	5E	2004	10/1/2004	10/1/04 compliance schedule for cBOD5, Total Cd, Total Cu, Total Zn
Beaverdam Creek	Copper, Silver, Zinc	001	James River Correctional Center STP	5E	2002	5/10/2002	5/10/2002 compliance schedule for Ag, Zn, and Cu. The facility will relocate the outfall to the James River. This has not been completed yet.
James River, UT	Copper, Pb, Zinc	001	Kinder Morgan Operating LP A	4B	2002	4/9/2005	The permit was issued on 4/9/2001 with a compliance schedule for zinc, lead, and copper due 4/9/2005.
Almond Creek, UT	Lead, Zinc	001	Kinder Morgan Operating LP A	4B	2002	5/1/2005	The permit was issued on 5/1/2001 with a compliance schedule for lead and zinc due 5/1/2005.
Jackson River	Dissolved Oxygen	003	Mead/Westvaco Corporation	4B	1998	1/30/2004	2004 Listing Basis: Mead/Westvaco Corp. (VA0003646) is a major industrial facility located within the dissolved oxygen portion of the impaired segment listed Category 5A (11.21 Miles). A Special Order by Consent is consummated with the company. This order provides for the development of a water quality model to address wasteload allocations for those parameters affecting dissolved oxygen in the Jackson River and to make application by 1/01/03. Application was made in December 2002. The water quality model is complete and a VPDES permit issued with effluent limits in affect on 1/30/04. The facility is Category 4B listed as the compliance date is outside the Integrated Report window of 01/01/1998 through 12/31/2002, but within the next Integrated Report window ending 6/30/04.
James River	Copper	002	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	

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James River	Copper	003	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	005	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	006	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	008	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper, Nickel	009	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	010	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	011	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper, Zinc	016	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	019	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	020	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	026	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	030	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	037	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	038	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	041	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	042	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
James River	Copper	043	Newport News Shipbuilding & Drydock	4B	2002	1/25/2006	
UT to Pitch Kettle Creek to Nansemond River	Manganese	001	Portsmouth (Lake Kilby) WTP	4B	2002	3/16/2004	
Southern Branch Elizabeth River	Ammonia	001	Royster - Clark, Inc.	4B	2002	1/23/2005	

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Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Southern Branch Elizabeth River	Ammonia	002	Royster - Clark, Inc.	4B	2002	1/23/2005	
Newton Creek to Southern Branch Elizabeth River	Ammonia	003	Royster - Clark, Inc.	4B	2002	1/23/2005	
Troublesome Creek, UT	Ammonia	001	Sprouses Motel	4B	2004	6/30/2006	
Rutledge Creek	Copper, Nickel, Zinc, Ammonia	001	Town of Amherst's STP	4B	2002	8/3/2003	
Deep Creek, UT	Zinc	001	Town of Crewe STP	5E	2002	8/24/2002	8/24/2002 compliance schedule for zinc. The limit is in effect and is being violated.
Dark Swamp, UT	Copper	001	Town of Surry WWTP	4B	2004	2/1/2004	2/1/04 compliance schedule for total recoverable copper
Southern Branch Elizabeth River	Tributyltin	103	US NAVY Norfolk Naval Shipyard	4B	2002	12/1/2002	DELIST 2004***, TBT met per DMR 9/03
Southern Branch Elizabeth River	Tributyltin	200	US NAVY Norfolk Naval Shipyard	4B	2002	12/1/2002	DELIST 2004***, TBT met per DMR 9/03
Southern Branch Elizabeth River	Tributyltin	300	US NAVY Norfolk Naval Shipyard	4B	2002	12/1/2002	DELIST 2004***, TBT met per DMR 9/03
Southern Branch Elizabeth River	Tributyltin	400	US NAVY Norfolk Naval Shipyard	4B	2002	12/1/2002	DELIST 2004***, TBT met per DMR 9/03
Southern Branch Elizabeth River	Tributyltin	500	US NAVY Norfolk Naval Shipyard	4B	2002	12/1/2002	DELIST 2004***, TBT met per DMR 9/03
Jerry's Run	Dissolved Oxygen (BOD5), Ammonia, Total Kjeldahl Nitrogen	001	VDOT I-64 Jerrys Run Rest Area	4B	1998	4/16/2003	<p>2004 Listing Basis: The water is the mixing zone of the I-64 Rest Area in Alleghany County. A Special Order by Consent for VPDES permit VA0075574 contains water quality based effluent limits for five day carbonaceous biological oxygen demand (cBOD5), ammonia nitrogen (NH3-N) and total kjeldahl nitrogen (TKN). An Executive Compliance Agreement signed April 3, 2002 contains a schedule of compliance to meet these limits. The effluent limits for the aforementioned parameters became effective upon re-issuance of the permit on March 3, 2003.</p> <p>The facility could not meet the 2003 effluent limitations and has ceased discharge until upgraded treatment facilities can be constructed. Wastewater is currently being pumped and hauled. The facility is Category 4B listed as the compliance date is outside the Integrated Report window of 1/1/1998 through 12/31/2002 but discharge has ceased prior to the next Integrated Report ending 6/30/04.</p>
Pond Hollow	Nickel, Zinc, Copper	001	Wintergreen Mountain STP	5E	2002	12/31/2007	12/31/07 compliance schedule for zinc, nickel, copper

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
James River, UT	Ammonia	001	Yogaville WWTP	4B	2004	5/28/2006	
Rappahannock River Basin							
Carter's Creek	pH	001/901	Ampro Shipyard	4B	2004	4/30/2003	4/30/03 compliance schedule for pH
Carter's Creek	pH	007	Ampro Shipyard	4B	2004	4/30/2003	4/30/03 compliance schedule for pH
Cabin Branch	Copper (WET)	001	D.O.C. Coffeewood Correctional Center	4B	2002	8/6/2003	
Cabin Branch	Zinc (WET)	001	D.O.C. Coffeewood Correctional Center	4B	2002	8/6/2003	
Rappahannock River	Zinc	001	FMC Wastewater Treatment Facility	4B	2004	10/4/2005	Based on permit compliance schedule.
Rappahannock River	Zinc	001	Fredericksburg Wastewater Treatment Facility	4B	2004	10/4/2005	Based on permit compliance schedule.
Garland's Millpond, UT	Copper, Zinc	001	Haynesville Correctional Center	4B	2002	5/3/2003	5/3/2003 compliance schedule for copper, zinc
Muddy Creek- UT	Copper	001	Oakland Park Sewage Treatment Plant	4B	2004	4/10/2006	Based on permit compliance schedule.
Rapidan River	Copper, Heptachlor	001	Orange, Town STP	4B	2002	2/12/2005	Based on permit compliance schedule.
Little Dark Run	Copper, Zinc	001	RSA - Madison STP	4B	2002	3/30/2003	
Rappahannock River-UT	Ammonia	001	South Wales Utility, Inc.	4B	1998	3/1/2004	CSO with interim limits for NH3-N. Final compliance date 3/1/2004.
Rappahannock River-UT	Copper, Zinc	001	South Wales Utility, Inc.	4B	2002	1/10/2004	
Thornton River	Copper, Zinc	001	Sperryville Sewage Treatment Plant	4B	2002	7/3/2005	Based on permit compliance schedule.
Hoskins Creek	Copper	001	Tappahannock Town of	4B	2004	5/31/2006	The permit was issued on 5/31/2002 with a 4 year compliance schedule for total recoverable copper.
Poplar Run	Copper, Zinc	001	Town of Orange WTP	4B	2002	9/25/2004	Based on permit compliance schedule.
Totuskey Creek, UT	Copper, Zinc	001	Town of Warsaw WWTP	4B	2002	3/19/2003	3/19/2003 compliance schedule for copper, zinc
Mill Creek-UT	Copper, Selenium	001	US Army, Ft. AP Hill, Wilcox Wastewater Treatment Plant	4B	2002	11/28/2003	
Mill Creek-UT	DO (TP)	001	US Army, Ft. AP Hill, Wilcox Wastewater Treatment Plant	4B	2002	11/28/2002	Compliance achieved 11/28/2002. This facility can be de-listed.
Rapidan River	Copper, Zinc	001	Wilderness STP	4B	2002	3/9/2005	Based on permit compliance schedule.
Roanoke/Yadkin River Basins							

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Coleman Creek	Silver, Zinc & Copper	001	Boydton WWTP	4B	2004	3/1/2006	
Banister River	Copper & Zinc	001	Burlington Industries - Halifax	4B	2004	5/1/2004	
Blue Creek/Kerr Reservoir	Cl	001	Clarksville WWTP	4B	2004	4/1/2004	
Twittys Creek	Copper	001	Drakes Branch STP	4B	2002	2/9/2005	
Birds Branch, UT	Copper, Zinc	001	Groundhog Mtn. Water and Sewer Co., Inc. - Groundhog Mountain Resort STP	5E	2004	9/2/2006	<p>2004 Listing Basis: The water is the mixing zone for the Groundhog Mtn. Water and Sewer Co., Inc. - Groundhog Mountain Resort STP (VA0066575). The permit contains a water quality based effluent limits for total recoverable copper (CU) and total recoverable zinc (Zn) for outfall 001. A schedule of compliance to meet the limit is in the permit.</p> <p>The facility is Category 5E listed due to the permitted compliance date (9/02/06) extending beyond the current and next Integrated Report window ending 6/30/04.</p>
Blackberry Creek	Dissolved Oxygen (BOD5), Ammonia	001	Henry Co. PSA (Receiver) Sanville Utilities Inc. -Fairway Acres Sewage Treatment Plant	5E	2004	6/30/2004	<p>2004 Listing Basis: The waters are the mixing zone of the Sanville Utilities, Inc. (Henry County PSA (Receiver)) - Fairway Acres Sewage Treatment Plant (VA0029751). The permit contains water quality based effluent limitations for five-day biological oxygen demand (BOD5), and ammonia nitrogen (NH3-N). A schedule of compliance to meet these limits is in the permit (11/02/03).</p> <p>A Special Order by Consent was consummated with the Henry County PSA (Receiver) to connect the facility to the PSA's system by 6/30/04. The PSA is in the process of obtaining easements for the eventual placement of an interceptor to connect the facility. The project is fully funded with approved plans and specifications for construction to begin upon the obtainment of easements. Obtainment of easements has been stalled. Achievement of the 6/30/04 Consent Order compliance date is not anticipated and will extend beyond the next Integrated Report ending 6/30/04. The facility is categorized 5E.</p>

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Smith River	Endrin	001	Henry County PSA - Lower Smith River Sewage Treatment Plant	5E	2004	12/1/2004	<p>2004 Listing Basis: The water is the mixing zone for the Henry County PSA - Lower Smith River STP (VA0069345). The permit contains a water quality based effluent limit for endrin for outfall 001. A schedule of compliance to meet the limit is in the permit.</p> <p>The facility is Category 5E listed due to the permitted compliance date (12/01/04) extending beyond the current and next Integrated Report window ending 6/30/04.</p>
Blackberry Cr., UT	Dissolved Oxygen (BOD5), Ammonia, Total Kjeldahl Nitrogen	001	Henry County PSA (Receiver) Sanville Utilities, Inc. - Westwood Lagoon	5E	2002	6/30/2004	<p>2004 Listing Basis: The waters are the mixing zone of the Sanville Utilities, Inc. (Henry County PSA (Receiver)) - Westwood Lagoon (VA0090557). The permit contains water quality based effluent five-day biological oxygen demand (BOD5), ammonia nitrogen (NH3-N) and total kjeldahl nitrogen (TKN). A schedule of compliance to meet these limits is in the permit for 2/16/05.</p> <p>A Special Order by Consent was consummated with the Henry County PSA (Receiver) to connect the lagoon to the PSA's system by 6/30/04. The PSA is in the process of obtaining easements for the eventual placement of an interceptor to connect the facility. The project is fully funded with approved plans and specifications for construction to begin upon the obtainment of easements. Obtainment of easements has been stalled. Achievement of the 6/30/04 Consent Order compliance date is not anticipated and will extend beyond the next Integrated Report ending 6/30/04. The facility is categorized 5E.</p>
Kerr Reservoir	Copper, Zinc, SO4, H2SO4, TSS	001	Kerr Reservoir Cogeneration Plant	4B	2002	8/10/2004	
Lick Run, UT	Copper	002	Norfolk Southern Railway Company - Shaffer's Crossing	5E	2002	8/29/2004	<p>2004 Listing Basis: The water is the mixing zone for the Norfolk Southern Railway Company, Shaffers Crossing (VA0001597). The permit contains a water quality based effluent limit for total recoverable copper (Cu). A schedule of compliance to meet the limit is in the permit.</p> <p>The total recoverable copper limit is category 5E due to the permitted compliance date (8/29/04) extending beyond the current and next Integrated Report window ending June 30, 2004.</p>
Black Walnut Creek	Sulfates, Ammonia, Selenium & Manganese	009	Old Dominion Electric Cooperative Clover	4B	2004	12/27/2004	

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Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Lick Branch	Ammonia	001	Pine Grove STP	5E	1998	6/18/2004	Consent Order issued 6/18/03. As of 6/21/04 the consent order is still in effect, due to continued periodic violations of the ammonia limit. The facility will soon be under new ownership.
Lake Gaston, UT	Copper, Iron, Nickel	001	River Ridge Golf and Camping Club	4B	2002	9/30/2003	
Lake Gaston, UT	Ammonia	001	Simmons Terminal	4B	2002	2/15/2003	
Flat Creek	Silver, Zinc, Manganese & Cyanide	001	South Hill WWTP	4B	2004	3/1/2006	
Caldwells Creek	Copper, Zinc	001	Town of Appomattox STP	4B	2002	9/20/2003	
Georges Creek	Copper	001	Town of Gretna STP	4B	2002	9/20/2003	
Ash Camp Creek	Copper	001	Town of Keysville's Municipal STP	4B	2002	7/31/2005	Not meeting new Copper limit - Upgrade and Expansion due to be complete by July 31, 2005
Molley's Creek	Copper, Mercury, Zinc	001	Town of Rustburg STP	4B	2002	7/11/2003	
Banister River	Cl	001	Town of Scottsburg	4B	2002	3/6/2003	

Chowan River and Dismal Swamp Basins

Meherrin River	Copper, Ammonia	001	Boykins WWTP	4B	1996	11/21/2004	Cu compliance (added 2002) remains, Ammonia returned to compliance and to be delisted.
UT-Buckhorn Swamp-Nottoway River	Ammonia	001	Capron Elementary School	4B	2002	7/1/2006	
Nottoway River	Zinc	001	Courtland and Environs WWTP	4B	2002	7/30/2004	
Stony Creek	Copper, Silver	001	Dinwiddie Courthouse STP	4B	2002	8/23/2003	8/23/2003 compliance schedule for copper and silver.
Blackwater River	Cadmium, Copper, and Zinc	001	Franklin STP	4B	2002	6/22/2003	DELIST 2004***, Cd, Cu, Zn met per DMRs 6/03, 7/03, 8/03, 9/03, 10/03, 11/03
Drainage ditch to Chesapeake/Albermarle Canal	Copper, Zinc	001	Hickory Schools WWTP	4B	2002	7/2/2005	
Seay Creek	Parathion & Iron	001	Kenbridge STP	4B	2004	10/1/2006	
Black Swamp, UT	Copper, Zinc	001	Sussex Service Authority's Black Swamp STP	4B	2002	7/28/2004	The permit was issued on 7/28/2000 with a 4 year compliance schedule for copper and zinc due 7/28/2004.
Hickory Swamp	Zinc	001	Town of Jarratt STP	4B	2004	7/29/2006	
Northwest River-UT	Hydrogen Sulfide, Dichlorobromomethane	001	US-Naval Security Group Northwest	4B	2002	7/19/2003	DELIST 2004***, H2S met per DMRs 8/03, 9/03, 10/03

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Chesapeake Bay/Atlantic/Small Coastal Basins							
Indian Creek, UT	Copper, Zinc	001	Kilmarnock WWTP	4B	2002	6/7/2003	6/7/2003 compliance schedule for copper and zinc
Cockrell Creek	Cl2	001	Reedville Sanitary District's Municipal STP	4B	2002	1/28/2003	1/28/2003 compliance schedule for chlorine.
UT-Warehouse Creek	Ammonia, Copper, Cadmium, Nickel, Zinc	001	Shore Health Services	4B	2004	11/5/2006	
Brick Kiln Creek	Copper, Lead	001	US Army - Fort Monroe-Big Bethel WTP	4B	2002	11/7/2003	Permit be allowed to expire & not reissued, facility will cease operation prior to expiration (11/7/04).
Cockrell Creek	NH3-N, CN	001	Zapata Protein	5E	1998	12/17/2001	The facility had a compliance schedule for ammonia and cyanide. The limit is in effect but is currently being violated. Permit action is pending.
York River Basin							
South Anna River	Zinc	001	Ashland Municipal STP	4B	2002	6/14/2003	6/14/2003 compliance schedule for zinc.
Polecat Creek	Copper	001	Caroline County Regional WWTP	4B	2004	6/6/2006	Based on permit compliance schedule.
North Anna River, UT	Cyanide, Nickel	001	Doswell All-American Travel Plaza	4B	2002	2/19/2003	2/19/2003 compliance schedule for nickel and cyanide
Po River	Copper, Cadmium	001	Indian Acres Sewage Treatment Plant & Campground	4B	2002	5/17/2004	
South River-UT	Copper, Nickel, Selenium, Zinc	001	Land' Or Utility Co. Inc.	4B	2002	12/20/2005	Based on permit compliance schedule.
Ni River	Zinc	001	Ni River Water Treatment Plant	4B	2002	11/1/2003	
Po River-UT	Copper, Zinc	001	Thornburg WWTF	4B	2002	1/12/2004	
Mechumps Creek	Copper, Zinc, Ammonia, WET	001	Truckstops of America BP	4B	2002	2/1/2004	2/1/2004 compliance schedule for total recoverable copper, total recoverable zinc, ammonia, and whole effluent toxicity (WET)
Ni River	Ammonia	001	Wishner Wastewater Treatment Plant	4B	1998	9/30/2004	The facility is scheduled to go off-line by the end of September 2004.
New River Basin							

Water Quality Based Limited Sources - Category 4B and 5E Waters

Stream Name	Parameter	Outfall	Source	Cat	First Listing	Compliance Date	Details
Stroubles Creek, UT	Copper	001	Blacksburg-Christiansburg-VPI Water Authority WTP	5E	2004	3/12/2006	<p>2004 Listing Basis: The water is the mixing zone for the Blacksburg-Christiansburg-VPI Water Authority WTP (VA0052850). The permit contains a water quality based effluent limit for total recoverable copper (CU) for outfall 001. A schedule of compliance to meet the limit is in the permit.</p> <p>The facility is Category 5E listed due to the permitted compliance date (3/12/06) extending beyond the current and next Integrated Report window ending 6/30/04.</p>
New River	Ammonia	026	US Army & Alliant Ammunition and Powder Co. L.L.C. - Radford Army Ammunition Plant	4B	2002	4/28/2005	<p>2004 Listing Basis: The water is the mixing zone for the Radford Army Ammunition Plant (VA0000248). The permit contains a water quality based effluent limit for ammonia nitrogen (NH3-N) for outfall 026. A schedule of compliance to meet the limit is in the permit. The facility achieved compliance with the final NH3-N effluent limitation on 4/01/03.</p> <p>The permitted compliance date (4/28/05) extends beyond the next Integrated Report ending 6/30/04 and achievement of compliance occurs after the current Integrated Report window of 01/01/98 through 12/31/02. The facility is category 4B as compliance was achieved prior to the next Integrated Report window ending 6/30/04.</p>
Hunters Branch, UT	Dissolved Oxygen, Ammonia	001	UVA - Mountain Lake Biological Station	4B	2002	4/26/2003	<p>2004 Listing Basis: The water is the mixing zone of the VPDES permitted University of Virginia Facilities Management - Mountain Lake Biological Station (VA0075361). The facility has achieved compliance with dissolved oxygen (DO) and ammonia nitrogen (NH3-N) effluent limitations as required by the compliance schedule on 4/26/03.</p> <p>The facility is Category 4B listed as the compliance date (4/26/03) is outside the Integrated Report window of 01/01/1998 through 12/31/2002, but prior to the next Integrated Report ending 6/30/04.</p>